substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 13

Complete if Known						
Application Number	10/699,517					
Filing Date	October 31, 2003					
First Named Inventor	Schenk, Dale B.					
Art Unit	1649					
Examiner Name	Steven H. Standley					
Attorney Docket Number	015270-008920US					

U.S. PATENT DOCUMENTS Examiner Cite Document Number Publication Date Name of Patentee or Pages, Columns, Lines, V								
Examiner Initials*	Cite No. ¹	Document Number Number Kind Code ^{2 (f known)}	Publication Date . MM-DD-YYYY		of Patentee or of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear		
	1	US-7,138,255	11-21-2006	Vody	anoy et al.			
	2	US-2006/0259986	11-16-2006	Child	cote et al.			
	181	US-7,060,464	06-13-2006		Kim			
	3	US-2006/0058233	03-16-2006	Sch	enk et al.	,		
	4	US-2005/0255113	11-17-2005	Hus	ton et al.			
	5	US-2005/0203010	09-15-2005		Kim			
	6	US-2005/0196818	09-08-2005	Child	cote et al.			
	7	US-2005/0198694	09-08-2005	Child	cote et al.			
	8	US-2005/0176078	08-11-2005	Alls	op et al.			
	9	US-6,923,964	08-02-2005	S	chenk			
	10	US-6,890,535	05-10-2005	S	chenk			
	11	US-6,866,850	03-15-2005	s	chenk			
	12	US-6,866,849	03-15-2005	S	chenk			
	182	US-6,858,704	02-22-2005		Kim			
	13	US-2005/0037013	02-17-2005	Sch	enk et al.			
	14	US-6,787,144	09-07-2004	S	chenk			
	15	US-6,787,143	09-07-2004	s	chenk	-		
	16	US-6,787,140	09-07-2004	S	chenk			
	17	US-6,787,139	09-07-2004	S	chenk			
	18	US-6,787,138	09-07-2004	S	chenk			
	19	US-6,780,971	08-24-2004	Wol	ozin et al.			
	20	US-2004/0146521	07-29-2004	Sch	enk et al.			
	21	US-2004/0137523	07-15-2004	Vody	anoy et al.			
	22	US-2004/0136993	07-15-2004	Sch	enk et al.			
	23	US-6,761,888	07-13-2004	S	chenk			
	24	US-6,743,427	06-01-2004	S	chenk			
	25	US-6,710,226	03-23-2004	S	chenk			
	27	US-2003/0086938	05-08-2003	Jen	sen et al.			
	28	US-6,504,080	01-07-2003	Van De	r Putten P.H.			
	29	US-2002/0094335	07-18-2002	Chal	ifour et al.			
xaminer ignature		/Steven Standley/			Date Considered	04/28/2008		

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). Kind Codes of U.S. Patent Documents at www.uspto.gov or MPEP 901.04. The reign of the Emperor must precede the serial number of the patent document. For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Applicant by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449A/PTO				Complete if Known		
				Application Number	10/699,517	
	FORMATION DIO	~ · ~	OUDE	Filing Date	October 31, 2003	
	FORMATION DISC			First Named Inventor	Schenk, Dale B.	
51	TATEMENT BY AF	'PLI	CANI	Art Unit	1649	
(Use as many sheets as necessary)				Examiner Name	Steven H. Standley	
Sheet	2	of	13	Attorney Docket Number	015270-008920US	

			U.S. PATENT DO	CUMENTS	
Examiner Initials*	Cite No.1	Document Number Number Kind Code ^{2 (# known)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	31	US-2002/0187157	12-12-2002	Jensen et al.	
	32	US-2002/0160394 A1	10-31-2002	Wu	
	33	US-2002/0151464	10-17-2002	Wolozin et al.	
	219	US-5,753,624	05-19-1998	McMichael	
	37	US-5,589,154	12-31-1996	Anderson	
	38	US-5,576,184	11-19-1996	Better et al.	
	39	US-4,883,666	11-28-1989	Sabel et al	
			U.S. PATENT APP	PLICATIONS	
Examiner Initials*	Cite No.1	Document Number Number Kind Code ^{2 (# known)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	214	US-11/894,772	08-20-2007	Schenk et al.	
	215	US-11/894,744	08-20-2007	Schenk et al.	
	216	US-11/894,605	08-20-2007	Schenk et al.	
	217	US-11/842,054	08-20-2007	Schenk et al.	
	218	US-11/841,996	08-20-2007	Schenk et al.	
	41	US-11/697,646	04-06-2007	Schenk et al.	
	40	US-11/710,248	02-23-2007	Schenk et al.	
	42	US-11/660,015	02-09-2007	Schenk et al.	
	43	US-10/850,570	05-19-2004	Chilcote et al.	
	1 44	US-60/518,140	11-08-2003	Chilcote et al.	
	44	03-00/310,140	11-00-2003	Officote et al.	

	FOREIGN PATENT DOCUMENTS										
Examiner Initials*	Cite	i Oreign ratent bocument			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	T ⁶			
		Country Code ³	Number ⁴	Kind Code ⁵ (if known)			or Relevant Figures	لــُــا			
	46	EP	0 613 007	A2	08-31-1994						
	47	wo	07/021255	A1	02-22-2007	Chilcote et al.					
	48	wo	07/012061	A2	01-25-2007	Schenk et al.					
	49	wo	06/045037	A2	04-27-2006	Chilcote et al.					
	50	wo	06/045037	A3	04-27-2006	Chilcote et al.					
	51	wo	06/020581	A2 corrected version	02-23-2006	Schenk et al.					
	52	wo	06/020581	A3	02-23-2006	Schenk et al.					

<u> </u>	Examiner Signature	/Steven Standley/	Date Considered	04/28/2008
----------	-----------------------	-------------------	--------------------	------------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² Kind Codes of U.S. Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449A/PTO	Complete if Known		
	Application Number	10/699,517	
INFORMATION DICCLOSURE	Filing Date	October 31, 2003	
INFORMATION DISCLOSURE	First Named Inventor	Schenk, Dale B.	
STATEMENT BY APPLICANT	Art Unit	1649	
(Use as many sheets as necessary)	Examiner Name	Steven H. Standley	
Sheet 3 of 13	Attorney Docket Number	015270-008920US	

	FOREIGN PATENT DOCUMENTS										
Examiner Initials*	Cite No.1	Foreign Patent Docum Country Code ³ Number ⁴ Kind C		Occument Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures	T ⁶			
	53	wo	05/013889	A3 corrected version	02-17-2005	Chilcote et al.					
	54	wo	05/047860	A2	05-26-2005	Chilcote et al.					
	55	wo	05/047860	A3	05-26-2005	Chilcote et al.					
	56	wo	04/041067	A2	05-21-2004	Schenk et al.					
	57	wo	04/041067	A3	05-21-2004	Schenk et al.					
	58	wo	04/009625	A2	01-29-2004	El-Agnaf et al.					
	59	wo	04/009625	A3	01-29-2004	El-Agnaf et al.					
	220	wo	03/045128	A2	06-05-2003	New York University					
	221	wo	03/045128	A3	06-05-2003	New York University					
	183	wo	01/053457	A2	07-26-2001	University of Connecticut Health Center					
	184	wo	01/053457	А3	07-26-2001	University of Connecticut Health Center					
	186	wo	01/06989	A3	02-01-2001	Abgenix, Inc.					
	61	wo	00/72880	A3	12-07-2000	Schenk et al.					
	63	wo	00/072876	A3	12-07-2000	Schenk					
	64	wo	00/18917	A2 corrected version	04-06-2000	Amgen Inc.					
	65	wo .	00/18917	A3 corrected version	04-06-2000	Amgen Inc.					
	66	wo	99/060024	A1 corrected version	11-25-1999	Solomon et al.	· · · · · · · · · · · · · · · · · · ·				
	67	wo	99/050300	A1	10-07-1999	Trojanowski et al.					
	68	wo	99/040191	A1	08-05-1999	Shimizu et al.		Abst. only			
	69	wo	99/027944	A1 corrected version	06-10-1999	Schenk					
	71	wo	99/006545	A2 corrected version	02-11-1999	Max Plank Institute					
	72	wo	99/006545	A3 corrected version	02-11-1999	Max Plank Institute					
	73	wo	95/006407	A1	03-09-1995	Masliah					

Examiner Signature	/Steven Standley/	Date Considered	04/28/2008

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² Kind Codes of U.S. Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Substitute	for form 1449B/PTO			Complete if Known		
				Application Number	10/699,517	
INFO	RMATION DIS	CLOS	SURE	Filing Date	October 31, 2003	
STAT	EMENT BY A	PPLIC	CANT	First Named Inventor	Schenk, Dale B.	
				Art Unit	1649	
	(Use as many sheets as n	ecessary)		Examiner Name	Steven H. Standley	
Sheet	4	of	13	Attorney Docket Number	015270-008920US	

	NON PATENT LITERATURE DOCUMENTS									
Examiner Initials *	Cite No.1	magazine, journal, serial, symposium, catalog, etc.), date, pag-	clude name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.							
	75	ABBAS et al., <u>Cellular and Molecular Immunology</u> , 522-523 (Elsevier Saunders) (5th Ed. Jpdated Ed., 2005).								
	76		ALES et al., "Cholinergic dysfunction in a mouse model of Alzheimer disease is reversed by n anti-Aβ antibody," J. Clin. Invest., 116(3):825-832 (2006).							
	187		BARD et al., "Peripherally administered antibodies against amyloid β-peptide enter the central nervous system and reduce pathology in a mouse model of Alzheimer disease," Nature Medicine, 6(8):916-919 (2000).							
:	77	BENNETT et al., "Degradation of α-Synuclein by Proteasome," <u>J. Biol. Chem.,</u> 274(48):33855-33858 (1999).								
	78	BROOKS et al., "Synuclein proteins and Alzheimer's disease," Trends Neurosci., 17(10):404-405 (1994).								
	212	CHANG et al., "Adjuvant activity of incomplete Freund's adjuvant," <u>Advanced Drug Delivery</u> <u>Reviews</u> , 32:173-186 1998).								
	80		CHEN et al., "Neurodegenerative Alzheimer-like pathology in PDAPP 717V→F transgenic mice," <u>Progress in Brain Research,</u> 117:327-337 (1998).							
	81	CLAYTON et al., "Synucleins in Synaptic Plasticity and Neur 58:120-129 (1999).	odegenerative	Disorders," <u>J. Neurosci. Res.</u> ,						
	82	CLAYTON et al, "The synucleins: a family of proteins involved in synaptic function, plasticity, neurodegeneration, and disease," <u>Trends Neurosci.</u> , 21(6):249-254 (1998).								
	83	CLELAND et al., "Isomerization and Formulation Stability of the Vaccine Adjuvant QS-21," J.of Pharm Sci., 85(1): 22-28 (1996).								
	85	CROWTHER et al., "Synthetic filaments assembled from C-terminally truncated a-synuclein," FEBS Letters, 436:309-312 (1998).								
Examiner Signature	/8	/Steven Standley/ Date Considered 04/28/2008								

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional). Applicant is to place a check mark here if English language Translation is attached.

Substitute	for form 1449B/PTO			Complete if Known		
				Application Number	10/699,517	
INFO	RMATION DIS	CLOS	URE	Filing Date	October 31, 2003	
STATEMENT BY APPLICANT				First Named Inventor	Schenk, Dale B.	
				Art Unit	1649	
(Use as many sheets as necessary)				Examiner Name	Steven H. Standley	
Sheet	5	of	13	Attorney Docket Number	015270-008920US	

NON PATENT LITERATURE DOCUMENTS										
Examiner Initials *	Cite No.1	magazine, journal, serial, symposium, catalog, etc.), date, pag	clude name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.							
	86	DE LUSTIG et al., "Peripheral markers and diagnostic criteria in Alzheimer's disease: Critical evaluations," Rev. in Neurosci., 5:213-225 (1994).								
	87	Decreases Brain Aβ Burden in a Mouse Model of Alz	DEMATTOS et al., "Peripheral Anti Aβ Antibody Alters CNS And Plasma Aβ Clearance and Decreases Brain Aβ Burden in a Mouse Model of Alzheimer's Disease," published online before print July 3, 2001 at 10.1073/pnas.151261398; PNAS, 98(15):8850-8855 (2001).							
	88	Dictionary.com definition of "prophylactic", pages 1-3	downloaded	from internet 10/12/05.						
	89	Dictionary entry for "prophylactic", Webster's New Wo	orld Dictionar	y of American English, 3rd						
	90	DI MONTE et al., "Environmental Factors in Parkinson's Disease," Neurotoxicology, 23: 487-502 (2002).								
	191	DIXON, C. et al., "Alpha-Synuclein Targets the Plasma Membrane via the Secretory Pathway and Induces Toxicity in Yeast," <u>Genetics</u> , 2005 May;170(1):47-59. Epub 2005 March 2.								
	178	EL-AGNAF et al., "α-Synuclein implicated in Parkinso biological fluids, including human plasma," <u>FASEB J.</u>								
	91		EL-AGNAF et al., "α-Synuclein implicated in Parkinson's disease is present in extracellular biological fluids, including human plasma," <u>FASEB J. express article 10.1096/fj.03-0098fje</u> , Published online August 15, 2003.							
·	94		ELIEZER, D. et al., "Conformational Properties of Alpha-Synuclein in its Free and Lipid-associated States," <u>Journal of Molecular Biology</u> , 307(4):1061-1073 (2001).							
	95	ELLIS et al., "α-Synuclein is Phosphorylated by Members of the Src Family of Proteintyrosine Kinases," <u>J. Biol. Chem.</u> , 276(6):3879-3884 (2001).								
	96	EMADI, S. et al., "Inhibiting Aggregation of Alpha-Synuclein with Human Single Chain Antibody Fragments," Biochemistry, 43(10):2871-2878 (2004).								
Examiner Signature	/(Steven Standley/	Date Considered	04/28/2008						

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional). Applicant is to place a check mark here if English language Translation is attached.

Substitute	for form 1449B/PTO			Complete if Known		
				Application Number	10/699,517	
INFO	RMATION DIS	CLOS	URE	Filing Date	October 31, 2003	
STAT	EMENT BY A	PPLIC	ANT	First Named Inventor	Schenk, Dale B.	
				Art Unit	1649	
,	(Use as many sheets as n	ecessary)		Examiner Name	Steven H. Standley	
Sheet	6	of	13	Attorney Docket Number	015270-008920US	

NON PATENT LITERATURE DOCUMENTS									
Examiner Initials *	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.							
	98	EP 04776059.0 European Supplementary Search Re	port complete	ed 06/13/2006.					
	99	FARRER, M.J., "Genetics of Parkinson disease: Para Rev. Genet., 7:306-318 (2006).	adigm shifts a	and future prospects," <u>Nat.</u>					
	104	FRIEDLAND et al., ""Development of an anti-Aβ mon amyloid angiopathy in Alzheimer's disease," <u>Mol. Net</u>							
	192		GAMES et al., "Prevention and Reduction of AD-type Pathology in PDAPP Mice Immunized with Aβ ₁₋₄₂ ," Annals of the New York Academy of Science, 920:274-284 (2000).						
	193	GARZON, J. et al., "Transport of CSF antibodies to G-Alpha subunits across neural membranes requires binding to the target protein and protein kinase C activity," Molecular Brain Research, 65(2):151-166 (1999).							
	106	GIASSON et al., "Mutant and Wild Type Human α-Synucleins Assemble into Elongated Filaments with Distinct Morphologies <i>in Vitro</i> ," <u>J. Biol. Chem.</u> , 274(12):7619-7622 (1999).							
	107	GOLDSBY et al., "Vaccines," Chapter 18 from <i>Immui</i> Company, New York, pages 449-465 (2000).	nology, 4th E	dition, W.H. Freeman and					
	108	GOLDSTEINS et al., "Exposure of cryptic epitopes of amyloidogenic mutants," PNAS, 96:3108-3113 (1999)		n only in amypoid and in					
	110	HAMBURGER, A.W. et al., "Isolation and characterization of monoclonal antibodies reactive with endothelial cells," Tissue & Cell, 17(4): 451-459 (1985).							
	111	HANSEN et al., "Chapter 14: Neurobiology of Disorders with Lewy Bodies," <u>Functional Neurobiology of Aging</u> , (Hof and Mobbs, Eds.) 173-182 (2001).							
	213	HARLOW et al., eds., Antibodies, A Laboratory Manual, Cold Spring Harbor Laboratory page 98 (1988).							
Examiner Signature									

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional). Applicant is to place a check mark here if English language Translation is attached.

Subst	tute for form 1449B/PTO			Complete if Known		
				Application Number	10/699,517	
IN	ORMATION DIS	SCLOS	SURE	Filing Date	October 31, 2003	
ST	ATEMENT BY A	PPLIC	ANT	First Named Inventor	Schenk, Dale B.	
				Art Unit	1649	
	(Use as many sheets as	necessary)		Examiner Name	Steven H. Standley	
Sheet	7	of	13	Attorney Docket Number	015270-008920US	

NON PATENT LITERATURE DOCUMENTS									
Examiner Initials *	Cite No. ¹	magazine, journal, serial, symposium, catalog, etc.), date, pag	nclude name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.						
	112	Deficits, and Hippocampal Long-Term Potentiation in	HARTMAN et al., "Treatment with an Amyloid-β Antibody Ameliorates Plaque Load, Learning Deficits, and Hippocampal Long-Term Potentiation in a Mouse Model of Alzheimer's Disease," Journal of Neuroscience, 25:6213-6220 (2005).						
	195	HSAIO, K., "From prion diseases to Alzheimer's disea	ase," <u>J. Neura</u>	al. Transm. Suppl. 49:135-					
	113	HOOPER et al., <u>Cellular Peptidases in Immune Func</u> Ansorge, Eds., Plenum Publishers) 379-390 (2000).	tions and Dis	eases 2, (Langer and					
	114	HOYER, W. et al., "Dependence of alpha-Synuclein <i>I</i> Conditions," <u>J. Mol. Biol.</u> , 322:383-393 (2002).	HOYER, W. et al., "Dependence of alpha-Synuclein Aggregate Morphology on Solution Conditions," <u>J. Mol. Biol.</u> , 322:383-393 (2002).						
	115	IRIZARRY, M.C. "Nigral and cortical Lewy bodies and dystrophic nigral neurites in Parkinson's disease and cortical Lewy body disease contain α-synuclein immunoreactivity," J. Neuropathol. Exp. Neurol., 57(4): 334-337 (1998).							
	179	IWAI, "Properties of NACP/alpha-synuclein and its role in Alzheimer's disease," Molecular Basis of Disease, 1502(1): 95-109 (2000).							
	209	IWAI et al., "The Precursor Protein of Non-Aβ Compo a Presynaptic Protein of the Central Nervous System							
	116	IWATSUBO, T. et al., "Purification and Characterizati Patients with Diffuse Lewy Body Disease," <u>Am J Path</u>							
	117	JAKES et al., "Epitope mapping of LB509, a monoclo synuclein," <u>Neurosci. Ltrs.</u> , 269:13-16 (1999).	nal antibody	directed against human α-					
	120	KIM, T. D. et al., "Structural and Functional Implications of C-Terminal Regions of α-Synuclein," <u>Biochemistry</u> , 41:13782-13790 (2002).							
	121	KIM, T.D. et al., "Structural Changes in α-Synuclein <i>A</i> Vitro," <u>Protein Science</u> , 9:2489-2496 (2000).	KIM, T.D. et al., "Structural Changes in α-Synuclein Affect its Chaperone-like Activity in Vitro," Protein Science, 9:2489-2496 (2000).						
Examiner Signature		/Steven Standley/	Date Considered	04/28/2008					

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional). Applicant is to place a check mark here if English language Translation is attached.

Substitute	for form 1449B/PTO			Complete if Known		
				Application Number	10/699,517	
INFC	RMATION DIS	SCLOS	SURE	Filing Date	October 31, 2003	
STA	TEMENT BY A	PPLIC	CANT	First Named Inventor	Schenk, Dale B.	
				Art Unit	1649	
	(Use as many sheets as	necessary))	Examiner Name	Steven H. Standley	
Sheet	8	of	13	Attorney Docket Number	015270-008920US	

NON PATENT LITERATURE DOCUMENTS										
Examiner Initials *	Cite No.1	magazine, journal, serial, symposium, catalog, etc.), date, paga	clude name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.							
	122	KOTZBAUER et al., "Lewy Body Pathology in Alzhein Neuroscience, 17(2): 225-232 (2001).	OTZBAUER et al., "Lewy Body Pathology in Alzheimer's Disease," <u>Journal of Molecular</u> euroscience, 17(2): 225-232 (2001).							
	198	KUBY, J., eds., <u>Immunology</u> , pp. 92-97 and 110 (W.H Edition, 1997).	(UBY, J., eds., <u>Immunology,</u> pp. 92-97 and 110 (W.H. Freeman & Co., New York) (3rd dition, 1997).							
	123	KUBY J., eds., <u>Immunology,</u> pp. 92-97 and 131 (W.H. Edition, 1997).	. Freeman &	Co., New York) (3rd						
	124	KUBY J., eds., <u>Immunology,</u> pp. 156-158 (W.H. Freer 1997).	KUBY J., eds., <u>Immunology</u> , pp. 156-158 (W.H. Freeman & Co., New York) (3rd Edition, 1997).							
	199	LANSBURY JR., P. T., "Evolution of amyloid: What normal protein folding may tell us about fibrillogenesis and disease," Proc Natl Acad Sci , 96(7): 3342–3344 (1999).								
	125		LEE et al., "Formation and Removal of α-Synuclein Aggregates in Cells Exposed to Mitochondrial Inhibitors," <u>J. Biol. Chem.</u> , 277(7):5411-5417 (2002).							
	126	LEE et al., "Human α-synuclein-harboring familial Par mutation causes neurodegenerative disease with α-sy mice," <u>PNAS</u> , 99:8968-8973 (2002).								
	200	LEMERE, C. A. et al., Amyloid-Beta Immunization in A Models and Wildtype Mice," <u>Neurochem Res.,</u> 28(7):1								
	128	LIPPA et al., "Antibodies to α-Synuclein Detect Lewy Brains with Alzheimer's Disease," <u>Ann. Neurol.</u> , 45:39								
	129	LUCKING et al., "Alpha-synuclein and Parkinson's dis 1908 (2000).	LUCKING et al., "Alpha-synuclein and Parkinson's disease," Cell. Mol. Life Sci., 57:1894-1908 (2000).							
	201	LUTHI-CARTER, R., "Progress towards a Vaccine for Huntington's Disease," Mol Ther,. 7(5, Pt 1):569-70 (2003).								
Examiner Signature		/Steven Standley/	Date Considered	04/28/2008						

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional). Applicant is to place a check mark here if English language Translation is attached.

Sub	ostitute for form 1449B/PTO				Complete if Known
				Application Number	10/699,517
IN.	IFORMATION DIS	CLOS	SURE	Filing Date	October 31, 2003
S	TATEMENT BY A	PPLIC	CANT	First Named Inventor	Schenk, Dale B.
				Art Unit	1649
	(Use as many sheets as r	ecessary)		Examiner Name	Steven H. Standley
She	et 9	of	13	Attorney Docket Number	015270-008920US

NON PATENT LITERATURE DOCUMENTS										
Examiner Initials *	Cite No.1	magazine, journal, serial, symposium, catalog, etc.), date, pag	clude name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.							
	130	MA et al., "A-synuclein aggregation and neurodegene Alzheimer's Disease, 5(2):139-148 (2003).	MA et al., "A-synuclein aggregation and neurodegenerative diseases," <u>Journal of Alzheimer's Disease</u> , 5(2):139-148 (2003).							
	131	MASLIAH et al., "Effects of α-Synuclein Immunization Disease," Neuron, 46: 857-868 (2005).	MASLIAH et al., "Effects of α-Synuclein Immunization in a Mouse Model of Parkinson's Disease," Neuron, 46: 857-868 (2005).							
	203		MCLEAN, et al., "Membrane Association and Protein Conformation of Alpha-Synuclein in Intact Neurons," J Biol Chem., 275(12):8812-6 (2000).							
	133	Merriam-Webster online medical dictionary, entry for	Merriam-Webster online medical dictionary, entry for "cure", accessed September 5, 2006.							
	134	MISHIZEN-EBERZ et al., "Distinct cleavage patterns of normal and pathologic forms of α-synuclein by calpain I <i>in vitro</i> ," <u>J. Neurochemistry</u> , 86:836-847 (2003).								
	204	MORGAN, et al., "Aβ peptide vaccination prevents memory loss in an animal model of Alzheimer's disease," Nature, 408(6815):982-5 (2000).								
	135	MUNCH et al., "Potentional neurotoxic inflammatory in J. Neural Transm., 109:1081-1087 (2002).	response to A	Aβ vaccination in humans,"						
	136	OKOCHI, M. "Constitutive Phosphorylation of the Par Synuclein," <u>J. Biol. Chem.</u> , 275(1): 390-397 (2000).	kinson's Dise	ease Assocated α-						
	137		PALHA et al., "Antibody recognition of amyloidogenic transthyretin variants in serum of patients with familial amyloidiotic polyneuropathy, " <u>J. Mol. Med.</u> , 78:703-707 (2001).							
	138	PCT/US05/37875 International Preliminary Report on 04/24/2007 with Written Opinion	PCT/US05/37875 International Preliminary Report on Patentability Chapter 1 issued 04/24/2007 with Written Opinion							
	139	PCT/US05/28166 International Preliminary Report on Patentability Chapter 1 issued 02/13/2007 with Written Opinion								
Examiner Signature	/\$	Steven Standley/	Date Considered	04/28/2008						

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

Substitute fo	or form 1449B/PTO			Complete if Known		
				Application Number	10/699,517	
INFO	RMATION DIS	CLOS	URE	Filing Date	October 31, 2003	
STAT	EMENT BY A	PPLIC	ANT	First Named Inventor	Schenk, Dale B.	
				Art Unit	1649	
(Use as many sheets as r	ecessary)		Examiner Name	Steven H. Standley	
Sheet	10	of	13	Attorney Docket Number	015270-008920US	

NON PATENT LITERATURE DOCUMENTS										
Examiner Initials *	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the a magazine, journal, serial, symposium, catalog, etc.), date, pag and/or country where put	e(s), volume-iss	propriate), title of the item (book, sue number(s), publisher, city	T²					
	140	PCT/US04/37444 International Preliminary Report on Patentability Chapter 1 issued 06/19/2007 with Written Opinion								
	141	PCT/US04/015836 International Preliminary Report of 11/25/2005 with Written Opinion	on Patentabili	ty Chapter 1 issued						
	142	PCT/US00/015239 International Preliminary Examina	ation Report o	dated 08/13/2001						
	144	PRIMAVERA et al., "Brain Accumulation of Amyloid-f Journal of Alzheimer's Disease, 1:183-193 (1999).	PRIMAVERA et al., "Brain Accumulation of Amyloid-β in Non-Alzheimer Neurodegeneration," Journal of Alzheimer's Disease, 1:183-193 (1999).							
	145	QUE et al., "Effect of Carrier Selection on Immunogenicity of Protein Conjugate Vaccines against Plasmodium falciparum Circumsporozoites," <u>Infection and Immunity</u> , 56(10): 2645-2649 (1988).								
	147	SCHENK, D., "Amyloid-β immunotherapy for Alzheimer's disease: the end of the beginning," Nature Reviews, 3:824-828 (2002).								
	149	SIGURDSSON et al., "Immunization Delays the Onse Journal of Pathology, 161:13-17 (2002).	et of Prion Dis	sease in Mice," <u>American</u>						
	150	SIGURDSSON et al., "Anti-prion antibodies for proph mice," <u>Neurosciences Letters</u> , 336:185-187 (2003).	ıylaxis followi	ng prion exposure in						
	151	SIPE, "Amyloidosis," <u>Annu. Rev. Biochem.,</u> 61:947-9	SIPE, "Amyloidosis," <u>Annu. Rev. Biochem.</u> , 61:947-975 (1992).							
	152	SKIPPER et al., "Parkinson's Genetics: molecular Insights for the New Millennium," Neurotoxicology, 23: 503-514 (2002).								
	155		SMALL et al., "Cerebral metabolic and cognitive decline in persons at genetic risk for Alzheimer's disease," PNAS, 97(11):6037-6042 (2000).							
Examiner Signature	/S	Steven Standley/	Date Considered	04/28/2008						

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

Substitute fo	or form 1449B/PTO				Complete if Known
				Application Number	10/699,517
INFO	RMATION DIS	CLOS	URE	Filing Date	October 31, 2003
STAT	EMENT BY A	PPLIC	ANT	First Named Inventor	Schenk, Dale B.
				Art Unit	1649
(Use as many sheets as n	ecessary)		Examiner Name	Steven H. Standley
Sheet	11	of	13	Attorney Docket Number	015270-008920US

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	Τ2
	156	SOLOMON et al., "Monoclonal antibodies inhibit in vitro fibrillar aggregation of the Alzheimer β-amyloid peptide," <u>PNAS</u> , 93:452-455 (1996).	
	157	SOLOMON, B., "Immunological approaches as therapy for Alzheimer's disease," Expert Opin. Biol. Ther., 2(8):907-917 (2002).	
	159	STEIN et al., "Lack of Neurodegeneration in Transgenic Mice Overexpressing Mutant Amyloid Precursor Protein is Associated with Increased Levels of Transthyretin and Activation of Cell Survival Pathways," <u>The Journal of Neuroscience</u> , 22(17):7380-7388 (2002).	
	160	SU et al., "Intravascular infusions of soluble β-amyloid compromise the blood-brain barrier, activate CNS Glial cells and induce peripheral hemorrhage," <u>Brain Research</u> , 818:105-107 (1999).	
•	161	TAKAHASHI, M. "Phosphorylation of α-synuclein characteristic of synucleinopathy lesions is recapitulated in α-synuclein transgenic Drosophila," Neuroscience Letters, 336: 155-158 (2003).	
	180	TAKEDA et al., "Abnormal Distribution of the Non-Aβ Component of Alzheimer's Disease Amyloid Precursor/alpha-synuclein in Lewy Body Disease as Revealed by Proteinase K and Fromic Acid Pretreatment," <u>Laboratory Investigation</u> , 79(9):1169-1177 (1998).	
	162	TAKEDA, A. et al., "C-terminal alpha-synuclein immunoreactivity in structures other than Lewy bodies in neurodegenerative disorders," <u>Acta Neuropathol</u> , 99:296-304 (2000).	
	163	TAL et al., "Complete Freund's Adjuvant Immunization Prolongs Survival in Experimental Prion Disease in Mice," <u>Journal of Neuroscience Research</u> , 71:286-290 (2003).	
	164	TANAKA et al., "NC-1900, an active fragment analog of arginine vasopressin, improves learning and memory deficits induced by beta-amyloid protein in rats," <u>European J. Pharmacology</u> , 352:135-142 (1998).	Г
	165	TENNENT et al., "Serum amyloid P component prevents proteolysis of the amyloid fibrils of Alzheimer's disease and systemic amyloidosis," <u>PNAS</u> , 92:4299-4303 (1995).	

	Examiner Signature	/Steven Standley/	Date Considered 04/28/2008
--	-----------------------	-------------------	-------------------------------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

'Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449B/PTO				Complete if Known		
				Application Number	10/699,517	
INFO	RMATION DIS	CLOS	URE	Filing Date	October 31, 2003	
STATEMENT BY APPLICANT				First Named Inventor	Schenk, Dale B.	
				Art Unit	1649	
(1	Use as many sheets as r	necessary)		Examiner Name	Steven H. Standley	
Sheet	12	of	13	Attorney Docket Number	015270-008920US	

	NON PATENT LITERATURE DOCUMENTS						
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (boo magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.					
	166	TSIM, K.W. et al., "Monoclonal antibodies specific for acetylcholinesterase from chick muscle," <u>J. Neuroche</u>					
	207	UBOL et al., "Roles of Immunoglobulin Valency and the Heavy-Chain Constant Domain in Antibody-Mediated Downregulation of Sindbis Virus Replication in Persistently Infected Neurons," <u>J Virol.</u> , 1995 March; 69(3): 1990–1993.					
	167	VICKERS, J.C., "A vaccine against Alzheimer's disease, Developments to date," <u>Drugs Aging</u> , 19(7): 487-494 (2002).					
	WAKABAYASHI et al., "α-Synuclein immunoreactivity in glial cytoplasmic inclusions in multiple system atrophy," Neuroscience Letters, 249:180-182 (1998).						
	WAKABAYASHI et al., "NACP, a presynaptic protein, immunoreactivity in Lewy bodies in Parkinson's disease," Neuroscience Letters, 239(1) 45-48 (1997).						
	WAKABAYASHI et al., "Widespread occurrence of a-synuclein/NCAP-immunoreactive neuronal inclusions in juveline and adult-onset Hallervorden-Spatz disease with Lewy bodies," Neuropathology and Applied Neurobiology, 25(5): 363-368 (1999).						
	171	WAKABAYASHI et al., "Accumulation of a-synuclein/NACP is a cytopathological feature common to Lewy body disease and multiple system atrophy," <u>Acta Neuropathol.</u> , 96(5): 445-452 (1998).					
	172	WALKER et al., "Labeling of Cerebral Amyloid <i>In Vivo</i> with a Monoclonal Antibody," <u>J. Neuropath. Exp. Neurology</u> , 53(4):377-383 (1994).					
	WATSON et al., "Chapter 14: The Introduction of Foreign Genes into Mice," Molecular Biology of Watson Recombinant DNAs, 2nd ed., 255-272 (1993).						
	WEINREB et al., "NACP, A Protein Implicated in Alzheimer's Disease and Learning, Is Natively Unfolded," <u>Biochemistry</u> , 35(43):13709-13715 (1996).						
	175	75 WISNIEWSKI et al., "Therapeutics in Alzheimer's and Prion Diseases," <u>Biochemical Society Transactions</u> , 30(4):574-587 (2002).					
Examiner Signature							

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional). Applicant is to place a check mark here if English language Translation is attached.

Substitute	for form 1449B/PTO			Complete if Known		
				Application Number	10/699,517	
INFO	RMATION I	DISCLOS	URE	Filing Date	October 31, 2003	
STATEMENT BY APPLICANT			ANT	First Named Inventor	Schenk, Dale B.	
				Art Unit	1649	
(Use as many sheets as necessary)				Examiner Name	Steven H. Standley	
Sheet	13	of	13	Attorney Docket Number	015270-008920US	

	NON PATENT LITERATURE DOCUMENTS								
Examiner Initials * Cite No.1 Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the ite magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publish and/or country where published.									
	210	WONG et al., "Neuritic Plaques and Cerebrovascular Amyloid in Alzheimer Disease are Antigenically Related," PNAS, 82:8729-8732 (1985).							
	176	YOSHIMOTO et al., "NACP, the precursor protein of the non-amyloid β/A4 protein (Aβ) component of Alzheimer disease amyloid, binds Aβ and stimulates Aβ aggregation," PNAS, 92:9141-9145 (1995).							
	211	ZHOU et al., "A Human Single-Chain Fv Intrabody Blocks Aberrant Cellular Effects of Overexpressed alpha-Synuclein," Mol Ther., 10(6):1023-31 (2004).							

Examiner Signature	/Steven Standley/	Date Considered	04/28/2008

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional). Applicant is to place a check mark here if English language Translation is attached.